

Marine Corps Spectrum Management

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Spectrum Planning Section

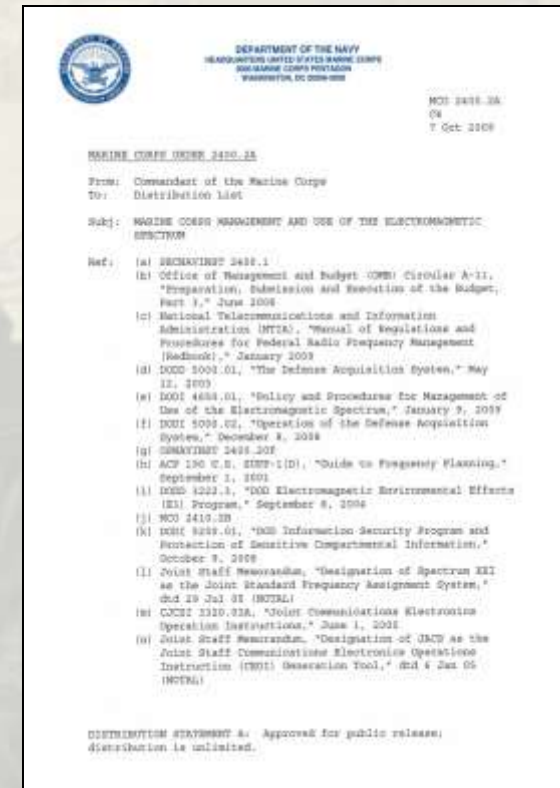
■ Mission

- Establish Marine Corps policy, provide oversight, guidance and procedures relating to the proper and efficient management of the electromagnetic spectrum
- Provide Marine Corps representation (at the policy level) to various national, DoD, Joint, and DON organizations, working groups and forums
- Provide administrative, technical and operational support to the Operating Forces (OPFOR) and Supporting Establishment (SE) in support of Marine Corps electromagnetic spectrum operational requirements



Marine Corps Order 2400.2A

- Marine Corps Management and Use of the Electromagnetic Spectrum
 - Establishes policy, guidance and procedures
 - Provides command relationships and specific roles and responsibilities
 - Ensures spectrum supportability and Host Nation Coordination (HNC) are considered during the acquisition process/system lifecycle
 - Ensures consideration of the electromagnetic spectrum during all phases of MAGTF planning
 - Standardizes and provides procedures in support of spectrum management operations



Joint Electromagnetic Spectrum Operations

- JEMSO
 - Initially task identified C4 as the lead
 - Joint Staff Action Processing submitted
 - Request approval to integrate Spectrum and EW doctrine
 - Has been pulled back by PP&O and tasked to G7 as the lead
 - The purpose of joint doctrine is to enhance the operational effectiveness of U.S. joint forces.
 - Joint doctrine reflects fundamental principles and best practices, based on extant capabilities and incorporating changes derived from lessons learned during operations, training, and exercises, and, when appropriate, validated concepts.



MCICOM

- MCICOM
 - Activated October 1, 2011
 - MCICOM consists of a command element and 3 regional commands
 - MCI East
 - MCI West
 - MCI PAC
 - MCO 2400.2A updates required
 - Does not change current operating procedures
 - Changes the routing and tasking of 5 and 10 year reviews
 - Simplifies it for HQMC C4 Spectrum Section



Personnel

- Spectrum Management Officer (MOS 0640)
 - 10 T/O billets (WO-CWO4)
 - Currently 100% staffed
 - Minor reorganization (MARFORCOM/MARCENT)
- Spectrum Manager (NMOS 0648)
 - 46 T/O billets (SSgt-MGySgt)
 - Currently 98% staffed
 - Continued challenges
- Civilian Positions
 - 16 T/O billets
 - Currently 100% staffed



Personnel

- Regimental Frequency Management (NMOS 0648)
 - SSgt (E-6) 0629 EPLRS Supervisor
 - Active and Reserve
 - 12 Additional Billets
- Marine Air Group Frequency Management (NMOS 0648)
 - Identify Requirements
 - Active and Reserve
 - Associate with required billets



Training

- Electromagnetic Spectrum Management Course (ESMC)
 - 18 seats (annually)
- Joint Task Force (JTF) Spectrum Management Course
 - 18 seats (annually)
 - Remains unit funded
- Other Training Efforts
 - Development/implementation of SM curriculum at USMC formal school houses
 - Communications Officer Courses (MCB Quantico)
 - BCOC, ACOC and WOCC (WO and 2ndLt through Maj/LtCol)
 - Marine Corps Communications-Electronics School (MCCES)
 - Radio Chief and Comm Chief courses (SSgt through MGySgt)
 - NTIA Radio Frequency Management Course
 - WO/CWO and senior operational billets



Ongoing USMC Issues

- Overseas Contingency Operations (OCO)
 - Afghanistan operational support
 - Personnel and training
 - Pre-deployment planning
 - Spectrum supportability
- National level spectrum reallocation
 - Significant impact to day-to-day operations/training
 - Impacts across all functional areas
 - Coordinating with National level, DoD and DON stakeholders
- World Radio Conference (WRC) 2012
 - 15 GHz Radar
 - UAS
- Global Electromagnetic Spectrum Information System (GEMSIS)



Ongoing USMC Issues (Cont.)

- Spectrum Supportability (SS)
 - Significant challenge during the acquisition process
 - ELCID (Standalone)
 - Procedural issues
 - The way we certify procure RF equipment must change
 - UAS in general
 - Operational requirements in support of OEF/OIF
 - Urgent Universal Needs Statements (UUNS)
 - MCO 2400.2A established roles and responsibilities to ensure SS is completed during the acquisition lifecycle
 - MARCORSYSCOM is the USMC lead
 - Completed process improvements and standardization
 - Implemented procedures and guidance for acquisition professionals
 - » National and DoD level certification
 - » Host nation coordination (HNC)/foreign disclosure
 - Supports program offices, OPFOR, SE and CD&I with SS requirements/actions
 - Central clearing house for USMC submissions and tracking of SS packages



Ongoing USMC Issues (Cont.)

- 2012 Goals & Challenges
 - National level spectrum reallocation
 - Required regulatory statuses and protections are provided
 - Identified alternative, comparable spectrum is made available
 - Sufficient funding is provided to complete the necessary modifications or replacements to affected systems
 - Protected exclusions zones can be established to ensure continued training and operations during the transition timeframes.
 - Continue spectrum supportability/certification/HNC efforts
 - Update/Review MCO 2400.2A
 - Training & Personnel
 - Coordinate with TECOM to reevaluate spectrum courses taught at Keesler



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Questions?

